Listing of the Claims

1. (currently amended) A system for entry and display of blueprint data comprising a handheld device, said handheld device further comprising:

a graphical user interface for providing line segment data entry fields, arc data fields comprising a start point field, an end point field, and a radius field and for displaying input line segments and arc data;

a processor and memory adapted for accepting one at a time, storing, and editing line segment and arc data associated with said input line segments, said editing of said arc data further comprising an arc segmenter for automatically segmenting a previously placed arc into at least two distinct arc segments, and wherein said input line segments are stored as a hierarchical sequence according to said accepting one at a time, and wherein editing, insertion, or deletion of a selected line segment <u>identically</u> translate line segments that succeed the selected line segment of said hierarchical sequence without translating line segments that precede the selected line segment in said hierarchical sequence.

2. (canceled)

3. (original) The system of Claim 1, wherein said line segment data entry fields comprise a start point field, a direction field, and a length field.

4. (original) The system of Claim 1, wherein said display is a touchscreen.

5-6. (canceled)

7. (original) The system of Claim 1, further comprising a keypad.

8. (currently amended)   A method for entering blueprint data into a handheld device comprising:

entering a start point for a first line segment;

entering a length for said first line segment;

entering a direction for said first line segment;

entering a start point for an arc;

entering an end point for said arc;

entering a radius for said arc;

entering and displaying said line segment and said arc on a display associated with said handheld device;

providing a segment editor to automatically parse said arc into a plurality of arc subdivisions;

entering a start point for a second line segment, wherein said start point of said second line segment is an end point of said first line segment;

entering and displaying said second line segment on said display;

entering a start point for a third line segment, wherein said start point of said third line segment is an end point of said ~~first~~ second line segment;

translating said second line segment so that the start point of said second line segment coincides with an end point of said third line segment;

~~entering a start point for a third line segment, wherein said start point of said third line segment is an end point of said second line segment;~~

entering and displaying said third line segment on said display; and

storing said first, second, and third line segments as a hierarchical sequence, and wherein editing, or deletion of said second line segment automatically <u>identically</u> translates said third line segment without translating said first line segment.

9. (original) The method of Claim 8, further comprising entering a repeat factor for said line segment.

10-14. (canceled)

15. (currently amended) A computer-readable medium comprising computer executable instructions stored therein for performing a method of processing a plurality of line segments received one at a time and stored in a hierarchical sequence:

receiving line segment data entry fields, arc data fields comprising a start point field, an end point field, and a radius field;

displaying input line segments and arc data;

accepting one at a time a storing and an editing of said input line segments and said arc data, said editing of said arc data further comprising an arc segmenter for automatically segmenting a previously placed arc into at least two distinct arc segments; and

in response to editing, insertion, or deletion of a selected line segment of a plurality of line segments received one at a time and stored in a hierarchical sequence according to said being received one at a time, identically translating line segments succeeding said selected line segment without translating line segments preceding said selected line segment.

16-20. (canceled)